CRF Errors Corrected by th STIC Systems Branch

Serial Numb r: 09/885,297A

CRF Processing Dat : 3/27/02
Edited by: DC
Verified by: DC (STIC staff)

ENTERED #5

- [ ] Changed a file from non-ASCII to ASCII

- [ ] Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- [ ] Edited a format error in the Current Application Data section, specifically

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other _____.

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically:

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included:

- [ ] Deleted extra, invalid, headings used by an applicant, specifically:

- [x] Deleted: [x] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as_____ .

- [ ] Inserted mandatory headings, specifically: _____

- [ ] Corrected an obvious error in the response, specifically:

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically:

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- [ ] Other:
  _____
  _____
  _____

*Examiner: Th above corrections must be communicated to the applicant in th first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING

DATE: 03/27/2002

PATENT APPLICATION: US/09/885,297A

TIME: 16:35:19

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\03272002\I885297A.raw

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 3 <110> APPLICANT: Ingram, Lonnie O
 4       Zhou, Shengde
 6 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR SIMULTANEOUS
 7       SACCHARIFICATION AND FERMENTATION
 9 <130> FILE REFERENCE: BCI-024CP
11 <140> CURRENT APPLICATION NUMBER: 09/885,297A
12 <141> CURRENT FILING DATE: 2001-06-19
14 <150> PRIOR APPLICATION NUMBER: 60/214,137
15 <151> PRIOR FILING DATE: 2000-06-26
17 <150> PRIOR APPLICATION NUMBER: 60/219,913
18 <151> PRIOR FILING DATE: 2000-07-21
20 <160> NUMBER OF SEQ ID NOS: 17
22 <170> SOFTWARE: PatentIn Ver. 2.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 450
26 <212> TYPE: DNA
27 <213> ORGANISM: Zymomonas mobilis
29 <400> SEQUENCE: 1
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32 cggttagcca taaccatttt acctgtccgg cggccttaat accttgatca gatggttcgt 120
34 ggtgttgtta ccttgccgaa gggcaccggt aaaaatgttc gcgtcggtgt tttcgcccgt 180
36 ggcccgaaag ctgaagaagc taaagctgct ggtgcagaag ttgtcggcgc agaagacctg 240
38 atggaagcca ttcagggcgg cagcattgat ttcgatcgtg atgccctta tactgaaatt 300
40 gccttgcgct gccataatga agcagcctcc ggtgttttgg cagatttaag cgctgcctga 360
42 ttttcgtgat cctctagagt ctatgaaatg gagattcatt tatgcctctc tcttattcgg 420
44 ataaccatcc agtcatccgc aagcttggcc 450
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48 <211> LENGTH: 1509
49 <212> TYPE: DNA
50 <213> ORGANISM: Zymomonas mobilis
52 <400> SEQUENCE: 2
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55 aataccggca ttctgattac aggccgtgtt ttgaatgcgg tatgcagttt tgtctatgtc 120
57 gcatggacat cccagacatt gggattgaac ctgtttggtg tcatgctttt gattacgact 180
59 tttgctaccc tgatttcgga tattacccgt tttcagtcat ggcaaacctt gctgcattac 240
61 ggttcaaaag cttttcagga aaaagatttt aaccaatttg atgatgtcct tgccttttgc 300
63 atcagagccg atttttttag tgcggcgata ggtatgttgg tagggttagg cggtatcttg 360
65 attttaggca cttcaagatt gggatggcct gccgaggtca agccagatgc cttgctttgt 420
67 atgctgatta tacttttttat gaatatcggc tggtccaacc gggatgttgc ggctgtgtaa 480
69 ccgctttaaa ctggtcacta tttatgagtt tattacgacc tgcgtcagaa ccggaggttg 540
71 tggcattggt tattggcttc atatgccttt ggggtatttt ttgtttatat ggtgcctgac 600
73 gcaattcacg ctttttgtca cctgtagtta cgctggcatt tatctctttc accaatatac 660
75 ggagcgagca tttccgataa gaaaaatatt tcagagaaaa acgcccgttg aagggatgtg 720
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 77 gaaattcact ttaagcgtca gttttaatga aatcctagac tccattttcc agcagggtgg 780
 79 cacccttgct attggtagct cactgggggc tggggaagcc gctgtctatc gggtcgcgcg 840
 81 ccagattagt aacggtttat ccaaaccagc acagatgatg atcggctaac atgcatccac 900
 83 cggcagcacc ggccgtttta tgcttgggat tattgatatg ccgaaaagga tacaacatct 960
 85 ggaagaaaaa gacgaaggcc ggaataagcg cccattctgc aaaattgtta caacttagtc 1020
 87 gcgccatcag ggaatgaaaa atcaatccgt cttttcggc atgagcaacc aacattttca 1080
 89 aggtatcatc ctgatgcgca atatcggcat cggttagcca taaccatttt acctgtccgg 1140
 91 cggccttaat accttgatca gatggttcgt ggtgttgtta ccttgccgaa gggcaccggt 1200
 93 aaaaatgttc gcgtcggtgt tttcgcccgt ggcccgaaag ctgaagaagc taaagctgct 1260
 95 ggtgcagaag ttgtcggcgc agaagacctg atggaagcca ttcagggcgg cagcattgat 1320
 97 ttcgatcgtg atgcccttta tactgaaatt gccttgcgct gccataatga agcagcctcc 1380
 99 ggtgttttgg cagatttaag cgctgcctga ttttcgtgat cctctagagt ctatgaaatg 1440
101 gagattcatt tatgcctctc tcttattcgg ataaccatcc agtcatccgc aagcttggcc 1500
103 gtaatccat                                                        1509
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112 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
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115 cgaattcctg ccgaagttta ttagcca                                       27
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119 <211> LENGTH: 31
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
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127 aaggatcctt ccaccagcta tttgttagtg a                                  31
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133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
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143 <211> LENGTH: 30
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145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
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154 <210> SEQ ID NO: 7
155 <211> LENGTH: 20
156 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 03/27/2002
PATENT APPLICATION: US/09/885,297A   TIME: 16:35:19

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\03272002\I885297A.raw**

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167 <211> LENGTH: 18
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169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
174 <400> SEQUENCE: 8
175 taacaatttc acacagga                                            18
178 <210> SEQ ID NO: 9
179 <211> LENGTH: 19
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
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190 <210> SEQ ID NO: 10
191 <211> LENGTH: 30
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
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202 <210> SEQ ID NO: 11
203 <211> LENGTH: 8
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
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211 ggcgcgcc                                                        8
214 <210> SEQ ID NO: 12
215 <211> LENGTH: 11544
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of Artificial Sequence:vector
222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <222> LOCATION: 3282-4281
225 <223> OTHER INFORMATION: n=a,c,g or t
227 <220> FEATURE:
228 <221> NAME/KEY: misc_feature
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RAW SEQUENCE LISTING   DATE: 03/27/2002
PATENT APPLICATION: US/09/885,297A   TIME: 16:35:19

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\03272002\I885297A.raw

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229 <222> LOCATION: 9476-11544
230 <223> OTHER INFORMATION: n=a,c,g or t
232 <220> FEATURE:
233 <223> OTHER INFORMATION: nucleotide positions 1-1451 encodes promoter
235 <220> FEATURE:
236 <223> OTHER INFORMATION: nucleotide positions 1452-2735 encodes celZ gene
238 <220> FEATURE:
239 <223> OTHER INFORMATION: nucleotide positions 4916-5776 encodes bla gene
241 <220> FEATURE:
242 <223> OTHER INFORMATION: nucleotide positions 7061-8251 encodes tet gene
244 <220> FEATURE:
245 <223> OTHER INFORMATION: nucleotide positions 9476-11544 encodes target sequence from
K. oxytoca
247 <220> FEATURE:
248 <221> NAME/KEY: CDS
249 <222> LOCATION: (1452)..(2735)
251 <220> FEATURE:
252 <221> NAME/KEY: CDS
253 <222> LOCATION: (4916)..(5776)
255 <220> FEATURE:
256 <221> NAME/KEY: CDS
257 <222> LOCATION: (7061)..(8251)
259 <400> SEQUENCE: 12
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262 aataccggca ttctgattac aggccgtgtt ttgaatgcgg tatgcagttt tgtctatgtc 120
264 gcatggacat cccagacatt gggattgaac ctgtttggtg tcatgctttt gattacgact 180
266 tttgctaccc tgatttcgga tattacccgt tttcagtcat ggcaaacctt gctgcattac 240
268 ggttcaaaag cttttcagga aaaagatttt aaccaatttg atgatgtcct tgccttttgc 300
270 atcagagccg attttttttag tgcggcgata ggtatgttgg tagggttagg cggtatcttg 360
272 attttaggca cttcaagatt gggatggcct gccgaggtca agccagatgc cttgctttgt 420
274 atgctgatta tactttttat gaatatcggc tggtccaacc gggatgttgc ggctgtgtaa 480
276 ccgctttaaa ctggtcacta tttatgagtt tattacgacc tgcgtcagaa ccggaggttg 540
278 tggcattggt tattggcttc atatgccttt ggggtatttt ttgtttatat ggtgcctgac 600
280 gcaattcacg cttttttgtca cctgtagtta cgctggcatt tatctctttc accaatatac 660
282 ggagcgagca tttccgataa gaaaaatatt tcagagaaaa acgcccgttg aagggatgtg 720
284 gaaattcact ttaagcgtca gtttttaatga aatcctagac tccatttttcc agcagggtgg 780
286 cacccttgct attggtagct cactggggggc tggggaagcc gctgtctatc gggtcgcgcg 840
288 ccagattagt aacggtttat ccaaaccagc acagatgatg atcggctaac atgcatccac 900
290 cggcagcacc ggccgtttta tgcttgggat tattgatatg ccgaaaagga tacaacatct 960
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294 gcgccatcag ggaatgaaaa atcaatccgt cttttccggc atgagcaacc aacatttttca 1080
296 aggtatcatc ctgatgcgca atatcggcat cggttagcca taaccatttt acctgtccgg 1140
298 cggccttaat accttgatca gatggttcgt ggtgttgtta ccttgccgaa gggcaccggt 1200
300 aaaaatgttc gcgtcggtgt tttcgcccgt ggcccgaaag ctgaagaagc taaagctgct 1260
302 ggtgcagaag ttgtcggcgc agaagacctg atggaagcca ttcagggcgg cagcattgat 1320
304 ttcgatcgtg atgcccttta tactgaaatt gccttgcgct gccataatga agcagcctcc 1380
306 ggtgttttgg cagatttaag cgctgcctga ttttcgtgat cctctagagt ctatgaaatg 1440
308 gagattcatt t atg cct ctc tct tat tcg gat aac cat cca gtc atc gat 1490
309                 Met Pro Leu Ser Tyr Ser Asp Asn His Pro Val Ile Asp
310                 1               5               10
```

```
312 agc caa aaa cac gcc cca cgt aaa aaa ctg ttt cta tct tgt gcc tgt   1538
313 Ser Gln Lys His Ala Pro Arg Lys Lys Leu Phe Leu Ser Cys Ala Cys
314     15                  20                  25
316 tta gga tta agc ctt gcc tgc ctt tcc agt aat gcc tgg gcg agt gtt   1586
317 Leu Gly Leu Ser Leu Ala Cys Leu Ser Ser Asn Ala Trp Ala Ser Val
318 30                  35                  40                  45
320 gag ccg tta tcc gtt agc ggc aat aaa atc tac gca ggt gaa aaa gcc   1634
321 Glu Pro Leu Ser Val Ser Gly Asn Lys Ile Tyr Ala Gly Glu Lys Ala
322             50                  55                  60
324 aaa agt ttt gcc ggc aac agc tta ttc tgg agt aat aat ggt tgg ggt   1682
325 Lys Ser Phe Ala Gly Asn Ser Leu Phe Trp Ser Asn Asn Gly Trp Gly
326             65                  70                  75
328 ggg gaa aaa ttc tac aca gcc gat acc gtt gcg tcg ctg aaa aaa gac   1730
329 Gly Glu Lys Phe Tyr Thr Ala Asp Thr Val Ala Ser Leu Lys Lys Asp
330             80                  85                  90
332 tgg aaa tcc agc att gtt cgc gcc gct atg ggc gtt cag gaa agc ggt   1778
333 Trp Lys Ser Ser Ile Val Arg Ala Ala Met Gly Val Gln Glu Ser Gly
334     95                  100                 105
336 ggt tat ctg cag gac ccg gct ggc aac aag gcc aaa gtt gaa aga gtg   1826
337 Gly Tyr Leu Gln Asp Pro Ala Gly Asn Lys Ala Lys Val Glu Arg Val
338 110                 115                 120                 125
340 gtg gat gcc gca atc gcc aac gat atg tat gtg att att gac tgg cac   1874
341 Val Asp Ala Ala Ile Ala Asn Asp Met Tyr Val Ile Ile Asp Trp His
342             130                 135                 140
344 tca cat tct gca gaa aac aat cgc agt gaa gcc att cgc ttc ttc cag   1922
345 Ser His Ser Ala Glu Asn Asn Arg Ser Glu Ala Ile Arg Phe Phe Gln
346             145                 150                 155
348 gaa atg gcg cgc aaa tat ggc aac aag ccg aat gtc att tat gaa atc   1970
349 Glu Met Ala Arg Lys Tyr Gly Asn Lys Pro Asn Val Ile Tyr Glu Ile
350             160                 165                 170
352 tac aac gag ccg ctt cag gtt tca tgg agc aat acc att aaa cct tat   2018
353 Tyr Asn Glu Pro Leu Gln Val Ser Trp Ser Asn Thr Ile Lys Pro Tyr
354     175                 180                 185
356 gcc gaa gcc gtg att tcc gcc att cgc gcc att gac ccg gat aac ctg   2066
357 Ala Glu Ala Val Ile Ser Ala Ile Arg Ala Ile Asp Pro Asp Asn Leu
358 190                 195                 200                 205
360 att att gtc ggt acg ccc agt tgg tcg caa aac gtt gat gaa gcg tcg   2114
361 Ile Ile Val Gly Thr Pro Ser Trp Ser Gln Asn Val Asp Glu Ala Ser
362             210                 215                 220
364 cgc gat cca atc aac gcc aag aat atc gcc tat acg ctg cat ttc tac   2162
365 Arg Asp Pro Ile Asn Ala Lys Asn Ile Ala Tyr Thr Leu His Phe Tyr
366             225                 230                 235
368 gcg gga acc cat ggt gag tca tta cgc act aaa gcc cgc cag gcg tta   2210
369 Ala Gly Thr His Gly Glu Ser Leu Arg Thr Lys Ala Arg Gln Ala Leu
370             240                 245                 250
372 aat aac ggt att gcg ctt ttc gtc acc gag tgg ggc gcc gtt aac gcg   2258
373 Asn Asn Gly Ile Ala Leu Phe Val Thr Glu Trp Gly Ala Val Asn Ala
374     255                 260                 265
376 gac ggc aat ggc gga gtg aac cag aca gat acc gac gcc tgg gta acg   2306
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/27/2002
PATENT APPLICATION: US/09/885,297A   TIME: 16:35:20

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\03272002\I885297A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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PATENT APPLICATION: US/09/885,297A TIME: 16:35:20

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\03272002\I885297A.raw

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PATENT APPLICATION: US/09/885,297A   TIME: 16:35:20

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Output Set: **N:\CRF3\03272002\I885297A.raw**

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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/27/2002
PATENT APPLICATION: US/09/885,297A   TIME: 16:35:20

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\03272002\I885297A.raw**

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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/27/2002
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Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\03272002\I885297A.raw**

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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/27/2002
PATENT APPLICATION: **US/09/885,297A**   TIME: 16:35:20

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\03272002\I885297A.raw**

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PATENT APPLICATION: US/09/885,297A   TIME: 16:35:20

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PATENT APPLICATION: US/09/885,297A   TIME: 16:35:20

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VERIFICATION SUMMARY   DATE: 03/27/2002
PATENT APPLICATION: US/09/885,297A   TIME: 16:35:20

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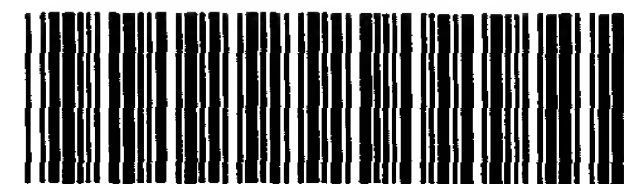PATENT APPLICATION: US/09/885,297A   TIME: 16:35:20

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Does Not Comply   OIPE
Corrected Diskette Needed

Error on p. 6

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        PATENT APPLICATION:  US/09/885,297A    TIME: 10:39:42

        Input Set : A:\seqlist.txt
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    4         Zhou, Shengde
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    9 <130> FILE REFERENCE: BCI-024CP
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RAW SEQUENCE LISTING   DATE: 03/25/2002
PATENT APPLICATION: US/09/885,297A   TIME: 10:39:43

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RAW SEQUENCE LISTING   DATE: 03/25/2002
PATENT APPLICATION: US/09/885,297A   TIME: 10:39:43

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\03252002\I885297A.raw**

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RAW SEQUENCE LISTING   DATE: 03/25/2002
PATENT APPLICATION: US/09/885,297A   TIME: 10:39:43

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\03252002\I885297A.raw

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        1007 taagttgggt aacgccaggg ttttcccagt cacgacgttg taaaacgacg gccagtgaat 4680
        1008 tccatcaacg cttgctgtaa ccaggagcca aagctatgaa tgtacctttt agctactcgt 4740
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        1010 tcggcaaaga cccggctatc gctaacaagc atgaatggct caacgccacg ctgttcgccg 4860
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        1013 tgttatcgct cggcatttat gaggatgtga acagcgcgct ggaagagatg gggctgaacc 5040
        1014 ttgaagaatt aattgatgaa gaaaacgacc cgggcttagg caacggcggt cttggtcgtc 5100
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,297A

DATE: 03/25/2002

TIME: 10:39:43

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\03252002\I885297A.raw

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E--> 1128 atty. docket no. bcI-024cP   6

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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/885,297A**

DATE: 03/25/2002
TIME: 10:39:44

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\03252002\I885297A.raw**

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L:436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:490 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:494 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:498 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:502 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:506 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:510 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:514 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:518 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:522 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:526 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:530 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:534 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:538 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:542 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:546 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:550 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:554 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:558 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:562 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:607 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:609 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:613 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:617 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:621 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:625 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:629 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:633 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:637 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:641 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:645 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
```

VERIFICATION SUMMARY   DATE: 03/25/2002
PATENT APPLICATION: **US/09/885,297A**   TIME: 10:39:44

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\03252002\I885297A.raw**

```
L:649 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:653 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:657 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:661 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:665 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:669 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:673 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:677 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:681 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:685 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:689 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:693 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:697 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:701 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:705 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:1128 M:254 E: No. of Bases conflict, LENGTH:Input:6 Counted:11792 SEQ:17
```

VERIFICATION SUMMARY   DATE: 03/25/2002
PATENT APPLICATION: **US/09/885,297A**   TIME: 10:39:44

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\03252002\I885297A.raw**

L:1128 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:11
L:1128 M:112 C: (48) String data converted to lower case,
L:1128 M:252 E: No. of Seq. differs, <211>LENGTH:Input:11772 Found:11792 SEQ:17